

Modul Description

Module name	Course Module
Module level, if applicable	Bachelor of Electronics Engineering
Code, if applicable	5215-088-2
Subtitle, if applicable	-
Course, if applicable	Industrial Management
Semester(s) in which the module istaught	V
Person responsible for the module	Lecturer of Courses
Lecturer	Dr. Efri Sandi, MT
Language	Indonesian Language [Bahasa Indonesia]
Relation to Curriculum	This course is a mandatory course for Communication Electronics Specialization and offered in the 5 th semester.
Type of teaching, contact hours	<p>Teaching methods used in this course are:</p> <ul style="list-style-type: none"> - Lecture (i.e., group investigation, small group discussion, case study, and video-based learning) - Structured assignments (i.e., essays and case study) - Practice (i.e., computer simulation and case study in laboratorium) <p>The class size for lecture is 30 students. Contact hours for lecture is 27 hours, assignments are 32 hours</p>
Workload	<p>For this course, students required to meet a minimum of 91 hours in one semester, which consist of:</p> <ul style="list-style-type: none"> - 27 hours for lecture, - 32 hours for structured assignments, - 32 hours for private study
Credit points	2 credit points (equivalent with 2.88 ECTS)
Requirements according to the examination regulations	Students must have attended all classes and submitted all class assignments that are scheduled before the final tests.
Recommended prerequisites	Students must have attended all classes and submitted all class assignments that are scheduled before the final tests.

<p>Module objectives/intended learning outcomes</p>	<p>After completing the course and given with this case:</p> <p>Course Learning Objectives (CLO1): Mahasiswa mampu memahami konsep-konsep industri (K1) (25)</p> <p>Course Learning Objectives (CLO2): Mahasiswa mampu menerapkan sumber energi untuk industri dan aspek ekonomi (K2, S1, S3, C1) (50)</p> <p>Course Learning Objectives (CLO3): Mahasiswa mampu memahami prinsip kewirausahaan dan profesionalisme kerja (A1, K1) (25)</p> <p>Program Learning Outcome (PLO4): Untuk melakukan keterampilan manajerial, komunikasi yang efektif dan membangun kerja tim dalam karir profesional.</p> <p>Attitude (A1): Memiliki kejujuran dan tanggung jawab untuk berkarir secara profesional serta menjaga etika profesi.</p> <p>Attitude (A3): Untuk menunjukkan sikap kesabaran yang tinggi dan mampu beradaptasi dengan tantangan masa depan sebagai pembelajar seumur hidup.</p> <p>Knowledge (K2): Untuk menerapkan prinsip-prinsip teknik elektronik untuk memecahkan masalah dalam sistem teknik elektronik</p> <p>Engineering and Education Skill (S3): Mampu mencari alternatif solusi dan pemecahan masalah di bidang teknik elektronika.</p> <p>Competence (C2): Mampu menganalisis prinsip kerja dan penerapan sistem rekayasa elektronik</p>
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<p>Content</p>	<p>Students will learn about: Concepts of industrial management, production management, operations management, product planning, process, technology and industrial facilities. This lecture also discusses organization in industry, teamwork, leadership in industrial organizations. At the end of the lecture also discusses the understanding of quality management and quality standardization in industry, especially those related to the electronics industry.</p>
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Forms of Assessment	Assessment is carried out based on written examinations, assessment/evaluation of the learning process and performance with the following components: Presence and Activity: 10%; Structured tasks: 20%; Mid Test: 30%; Final Test: 40%
Study and examination requirements and forms of examination	<p>Study and examination requirements:</p> <ul style="list-style-type: none"> - Students must attend 15 minutes before the class starts. - Students must switch off all electronic devices. - Students must inform the lecturer if they will not attend the class due to sickness, etc. - Students must submit all class assignments before the deadline. - Students must attend the exam to get final grade. <p>Form of examination: Written exam: Essay</p>
Media employed	Direct Whiteboard and Power Point Presentation.
Reading list	<ol style="list-style-type: none"> 1. Norman Gaither, Greg Frazier, Production and Operations Management, Eighth Edition. Cincinnati, Ohio: South-Western College Publishing, 1999. 2. Dennis Lock, Project Management, Eight Edition. Hampshire, Gower Publishing Limited, 2003. 3. Vincent Gaspersz, Total quality Management, Jakarta, PT. Gramedia Pustaka Utama, 1999. 4. Stalling, W. Wireless Communication & Network New Jersey: Pearson Education, Inc, 2005